



SWARCER NEWS

November 2011

MINUTES FROM MEETING

Minutes for November 7, 2011

No minutes submitted from the last meeting.

(See page 2)

Next meeting December 5, 2011

Meeting Place:

Fuquay-Varina First Presbyterian Church Fellowship Hall at 307 N Ennis St.

Dinner at 6:00pm with the meeting to follow at 7:00pm

Program: info Visit from Santa

Check out our nightly Nets on the 145.210 (BLACKJACK) repeater.

Sunday.....W3OJO.....Joe
Monday.....AJ4NX.....Adrian
Tuesday.....KA0GMY...Steve
Wednesday....KJ4CVK...Kenny
Thursday.....KK4BVU..Tom
Friday.....NC4MP.....Mark
Saturday.....KI4OTM....Julie

Nightly nets start at 7:30 pm

Traders net held on Tuesday nights after the shortened rag chew net.

Tech Net held second Tuesday of the month. Bring your questions on computers and radios.

Tech Net on the move

Due to interest being shown by other clubs the Tech Net is moving from the first Tuesday of each month to the second Tuesday of the month. So be sure to check in and give Roy (KK4ATD) your support.

Net Controls

AJ4NX our world famous net whip is looking for a Sunday night net control. I do not know what he did with W3OJO but he must have misplaced him.

JARS Fest

On November 20, 2011 JARS held the annual JARS Fest. The SWARC club did have some tables there. There good news is that members of the SWARC did help in the setup of JARS Fest.

I did manage to sell more tickets for the FT 60R handheld. There is still time to get a ticket before the drawing on the 5th.

There is also a repeater directory for 2011—2012 up for grabs at the next meeting.

I understand that some of the better cooks are going to have a dessert raffle.

MINUTES

November Meeting Minutes

Jeremy opened meeting and gave the treasury report.

Jeremy stated that elections require 51% of membership in attendance in order to be held. 51% was not available, so voting would take place at a later meeting. Greg - AK4LK will take secretary duties for this meeting.

Jeremy gave the net report, and thanked net controllers for their participation.

It was announced that the next meeting will be held on Dec 5.

At the December meeting we'll have a gift exchange. Participants should bring a gift for the gift exchange, under \$100.

The FT-60 raffle will also take place at the, December meeting. Tickets are still available at \$5/ticket

Sun Nov20 is Jarsfest. Jars could use help with setup/teardown/etc

Steve gave report on JOTA and Swapfest. Swapfest went very well given the time we had to prepare. Didn't have enough coffee!

Steve suggested combining JOTA and the swapfest. The American Legion is in favor. This would allow the scouts to participate in the Swapfest as well, and see some of the gear we use.

Help could be used at these events. Swapfest - setting up tables etc. JOTA setting up antennas.. help is needed and would be appreciated.

End of old business....

New Business

Steve made suggestion that the club start planning JOTA and Swapfest now. Now is the time to start. Steve made motion. Anna seconded the motion..motion passed.

Don't have official meeting for Christmas social... should have quite a bit of membership. Jeremy suggested we do the election then. Tim motioned..anna seconded... motion passed

Dessert Raffle for Christmas.. Mrs Rose Hampton is donating a cheesecake to be raffled. We have a new repeater directory to raffle as well as the radio. Directory donated by K9RII. Steve suggested we do an auction for the directory.

Selene suggested we auction the cheesecake

Anna Suggested that we move the January meeting forward. we have a schedule conflict... Steve suggested we try Golden Corral Anna made motion we move to 2nd week... Steve 2nd motion passed.

KK4DNF - Rich asked about membership

A discussion was held about ideas to generate public awareness of ham radio and the club. It was suggested that we get video footage at future events.. Tim suggested filming at Field day, other events. Steve suggested that someone articulate write an article for local papers.

Art gave presentation on APRS, after which the meeting ended.

Thank you Greg for being our temp secretary.

NET REPORT FOR OCTOBER

NEW RULES FOR 60 METERS

Hello one and all

This report covers the nets I have for October. I have had some computer problems recently (I now realize that no matter what you spill on your computer the microwave is not good for drying it off) , which is why I don't have all the net reports for October. I was able to scrape together a few for a decent net report. The numbers are as follows.

There was 23 net sessions with 25 SWARC members participating. We had 62 visitors for a total of 428 check-ins. This made an average of 19 check-ins per night. We thank KI4OTM who ran 6 nets, KK4BVU also ran 6 nets while AJ4NX ran 5 nets, W3OJO and KJ4CVK each ran 3 nets. Now you will notice that KA0GMY and NC4MP did not submit any net reports. I would normally call these slackers out to explain themselves. However NC4MP has some pictures I would rather not be made public and KA0GMY knows where I live.

For the month of October we have a tie for the check-in champ. KI4OTM and K4MWE both checked into 23 nets. KK4BVU had 23 check ins, KD4KII had 16, NC4MP had 13 check-ins and KA0GMY had 12, KI4YXO follows with 11 and KI4GNC had 10. KJ4FYX managed 9 check-ins and KJ4CVK managed 8 check-ins.

Next month I will up date the members data base. Also we are always looking for net controls. If any one is interested we are currently looking for a Sunday night net control. If you are interested let me know. My email is aj4nx@yahoo.com or if you hear me on the air. The last time I talked to NC4BJ he told me to get out of town so I am going to do just that. I will need coverage for my nets on the following dates. Dec 05 because of the club meeting and again on Dec 12. Maybe by then BJ will let me back into town.

I would like to thank all of our net controls for taking time to call the nets. All of you do an excellent job.

73s till next month. AJ4NX

FCC RELEASES NEW RULES FOR 60 METERS

TAGS: [60 meter](#), [additional emission designators](#), [amateur](#), [Amateur Extra class](#), [amateur radio](#), [amateur radio service](#), [amateur stations](#), [antenna gain](#), [arrrl](#), [carrier frequency](#), [harmful interference](#), [khz band](#), [mhz band](#), [new rules](#), [rtty](#), [secondary allocation](#), [telegraphy](#)

11/21/2011

On November 18, the FCC released a *Report and Order* ([R&O](#)), defining new rules for the 60 meter (5 MHz) band. These rules are in response to a *Petition for Rulemaking* ([PRM](#)) filed by the ARRL more than five years ago and a June 2010 *Notice of Proposed Rulemaking* ([NPRM](#)). In the *R&O*, the FCC replaced one of the channels in the band, increased the maximum authorized power amateur stations may transmit in this band and authorized amateur stations to transmit three additional emission designators in the five channels in the 5330.6-5406.4 kHz band (60 meters).

The Amateur Radio Service in the United States has a secondary allocation on 60 meters. Only those amateurs who hold General, Advanced or Amateur Extra class licenses may operate on this band. Amateur stations must not cause harmful interference to -- and must accept interference from -- stations authorized by any administration in the fixed service, as well as mobile (except aeronautical mobile) stations authorized by the administrations of other countries.

Here is a summary of the changes. Please note that these changes have not yet taken effect. These new rules will take effect **30 days after they are published in the *Federal Register***. The ARRL will announce on its website when the rules are published.

- The frequency 5368.0 kHz (carrier frequency 5366.5 kHz) is withdrawn and a new frequency of 5358.5 kHz (carrier frequency 5357.0 kHz) is authorized.
- The effective radiated power limit in the 60 meter band is raised by 3 dB, from 50 W PEP to 100 W PEP, relative to a half-wave dipole. If another type of antenna is used, the station licensee must maintain a record of either the antenna manufacturer's data on the antenna gain or calculations of the antenna gain.
- Three additional emission types are authorized. **Data** (emission designator 2K80J2D, for example, PACTOR-III), **RTTY** (emission designator 60H0J2B, for example, PSK31) and **CW** (150HA1A, i.e. Morse telegraphy by means of on-off keying). For CW, the carrier frequency must be set to the center frequency. For data and RTTY the requirement to transmit "only on the five center frequencies specified" may be met by using the same practice as on USB, i.e. by setting the suppressed carrier frequency of the USB transmitter used to generate the J2D or J2B emission to the carrier frequency that is 1.5 kHz below the center

60 METER

Automatic control on data and RTTY is not permitted; a control operator must be in a position to exercise either local or remote control over the transmitter. The FCC noted that "amateur operators must exercise care to limit the length of transmissions so as to avoid causing harmful interference to Federal stations." This is a very important caveat: If a Federal station requires amateurs to cease using a frequency, the amateur station must be able to do so without delay.

A reasonable person might wonder what the difference is between data and RTTY. According to former ARRL Chief Technology Officer Paul Rinaldo, W4RI, there used to be a difference, but there's not much of one today. "Years ago, a B designator (telegraphy for automatic reception [i.e. narrow-band direct-printing telegraphy emissions]) meant decoding and display on a teletypewriter (TTY) or other mechanical machine," he explained. "A D designator signified transmission of data, telemetry or telecommand intended for data processing or just storage for possible future use. When computers or computer-like devices were introduced to emulate RTTY transmission and/or reception, the line between telegraphy and data transmission blurred to the point of little or no practical distinction."

PACTOR-III and PSK31 are cited in the new rules as examples of data and RTTY emissions, respectively, that will be authorized; however, in paragraph 28 of the *R&O*, the Commission states that amateur stations will be permitted to use "any unspecified digital code, subject to the requirements of Section 97.309(b)." Therefore, as a practical matter it appears that any J2D data emission is to be permitted up to a bandwidth of 2.8 kHz, provided that care is exercised to limit the length of transmissions.

Amateur Radio and the 60 Meter Band

The 60 meter band is part of the larger 5.060-5.450 MHz band, which is a federal/non-federal shared band that is allocated to the fixed service on a primary basis and to the mobile (except aeronautical mobile service) on a secondary basis. The 5.060-5.450 MHz band is primarily used by federal agencies for ship-to-shore and fixed point-to-point communications. Non-federal use of the 5060-5450 kHz band includes state government licensees and licensees in the Industrial/Business Pool that operate standby and/or backup communication circuits for use during emergency and/or disaster situations, entities prospecting for petroleum and natural gas or distributing electric power, coast stations and aeronautical fixed stations.

The Commission added the Amateur Radio Service as a secondary allocation after determining that such frequencies could be useful to the Amateur Radio community for completing disaster communications links at times when existing frequencies in the 3.500-4.000 MHz (80 and 75 meter) and 7.000-7.300 MHz (40 meter) bands are not available due to ionospheric conditions. It concluded that such an allocation represented the best compromise available to give the amateur service access to new spectrum while assuring the federal government agencies that their use is protected.

At the request of the National Telecommunications and Informa-

tion Administration (NTIA), the Commission restricted amateur stations operating on the five channels in the 60 meter band to upper sideband (USB) voice transmissions (phone emission 2K80J3E), and to a maximum effective radiated power (ERP) of 50 W peak envelope power (PEP). The Commission adopted these operating restrictions to decrease the interference potential between amateur stations and federal stations.

In October 2006, the ARRL filed a *Petition for Rulemaking* with the FCC, requesting that the Commission amend Parts 2 and 97 of its Rules to replace one of the allocated center frequencies (5368 kHz) with a less encumbered frequency (5358.5 kHz), to increase the maximum ERP from 50 to 100 W PEP and to authorize the use of additional emissions types, limited to emission designators 150HA1A, 60H0J2B and 2K80J2D. In its *Petition*, the ARRL pointed out that its proposals were designed to facilitate more efficient and effective use of the secondary Amateur Radio Service allocation in the 60 meter band. As part of its petition, the ARRL attached a letter from NTIA, indicating that it would "look favorably" on the ARRL's proposed modifications.

GENERATOR MAINTENANCE

Hello Everyone:

Our Final Generator Maintenance of 2011 is scheduled for 9:00 AM EST on December 17 at 100 Peartree Lane.

It's been a short while since the last maintenance so this maintenance is critical.

Please let me know if you can come out and support this effort!

As usual, for those that don't mind getting up a little earlier, the fun starts at Big Ed's at 8:00.

Big Ed's City Market

220 wolfe street
Raleigh, NC 27601
(919) 836-9909

I look forward to seeing everyone Saturday, December 17, 2011!

Many thanks,

Darryll

PART 97 RULES AND REGULATIONS

Over the last several weeks I have listened to discussions on several different topics concerning ham radio. Everything from building antenna to when should we identify. Well like every topic that involves more than one ham you will get that many opinions on what is right. Well I am not here to tell you that I am right or wrong but I do know what Part 97 says about identification.

97.119 Station Identification

(a) Each amateur station, except a space station or telecommand station, must transmit its assigned call sign on its transmitting channel at the end of each communication, and at least every 10 minutes during a communication, for the purpose of clearly making the source of the transmission from the station known to those receiving the transmissions. No station may transmit unidentified communications or signals, or transmit as the station call sign, any call sign not authorized to the station.

Now to me it is clear you identify every ten minutes or at the end of your communications. Now that is plain and simple. However; since I like to know who I am talking to or like to get the credit for a good tug, I personally like to identify when I sign on. By identifying when you sign on you increase the chance of getting invited to join the on going qso.

Watch next month to see what Part 97 has to say.

If you want to know about a section of Part 97 has to say then submit your question to ka0gmy@bellsouth.net.

Santa Will be at the December 5, 2011 Meeting.

Folks it looks like Santa is going to be disappointed again.

Out of 14 kids that I know of when we requested a list of names to give Santa we only received the response of three children (I am sorry Christy we can not count Gino).

I know it sounds like I am complaining (I am) but Santa goes through a lot of trouble to get us on his busy schedule and it sure would be nice for the children to be there.

I know family activities take the priority but it is only one meeting that is a complete social and that is the Christmas meeting.

Sorry just the rantings of a mad hatter.

**Would Love
To See
Everyone
At
Golden Corral
For Breakfast**

***Hope To See
You At The
December 5,
2011
Monday Night
Meeting***

SOUTH WAKE AMATEUR RADIO CLUB

Address	Officers		
PO Box 1565 Fuquay-Varina, NC 27526	President:	Jeremy Barnard	KG4FYX
	Vice President:	Anna Chrisman	KF4USQ
	Secretary:	Chris Caudle	KG4WFD
	Treasurer:	Christy Fernandini	KJ4AEO
	Membership Director:	Ryan Avery	NC4RA
			rwavery@charter.net

Public Service Through Amateur Radio

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of our members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.